Anti-Human/Mouse Tbet-161Dy

Catalog: 3161014B
Clone: 4B10
Package Size: 100 tests
Isotype: IgG1
Storage: Store product at 4°C. Do not freeze.
Reactivity: Human/Mouse
Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.

Description

T-bet (Tbx-21) is a transcription factor bearing a T-box DNA-binding domain, and is considered a "master-regulator" of the Th1 CD4+ T cell subset. T-bet was initially described as a potent transactivator that can promote IFNγ production by initiating Th1 lineage development from naive CD4+ T cells. T-bet specifies Th1 cell fate by initiating chromatin/histone remodeling of the IFNγ gene and by inducing IL-12 receptor β2 expression. T-bet also promotes the Th1 phenotype by actively suppressing Th2 differentiation by interfering with GATA-3 binding to its target DNA. In addition to T cells, T-bet is also expressed in B cells where it plays a role in class-switch recombination.

References


For technical support visit fluidigm.com/support

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